

COMMONWEALTH of VIRGINIA

DEPARTMENT OF FORENSIC SCIENCE

CALIBRATION LABORATORY
A Nationally Accredited Laboratory

737 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010635
DATE CERTIFICATION METHOD PERFORMED: June 16, 2015
DATE RECERTIFICATION DUE: December 13, 2015

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science as required by §9.1-1101 (B)(3). Measurement traceability is established through the use of reference materials supplied by an ISO/IEC 17025:2005 accredited calibration laboratory.

Estimation of Uncertainty of Measurement:

0.020 ± 0.004 g/210 L

0.150 ± 0.008 g/210 L

0.080 ± 0.004 g/210 L

0.250 ± 0.008 g/210 L

The Uncertainty of Measurement is reported at the 99.73% level of confidence and a coverage factor of k=3. The estimation of the Uncertainty of Measurement is calculated for the Certification process only.

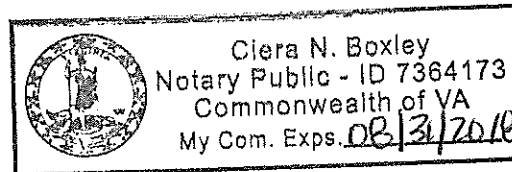
Sarah E. Dersch
Forensic Scientist

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 19th day of June, 2015 by Sarah E. Dersch

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2018



Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
6/16/2014 To 6/16/2015

HMS
rd

Instrument Serial Number: 010635 As of 17-Jun-15

Maintenance	Certification	Technician	
Date	Date	Initials	Remarks
16-Jun-15	16-Jun-15	HMS (18910)	CERTIFIED
02-Feb-15	02-Feb-15	HMS (18910)	REPLACED UPS BACK-UP BATTERY, CERTIFIED
13-Aug-14	13-Aug-14	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.

INTOX EC/IR II Quality Assurance Worksheet

Handwritten initials/signature

Instrument Serial Number 010635 Worksheet Start Date 6/16/2015

Location Fort Myer

Address 108 Sheridan Ave., Building 415, Fort Myer, VA 22211

DFS Technician Heather Stanton License No. 18910

☐ Laboratory ☒ On-Site

Site Specification: No detrimental environmental conditions exist. ☒

Instrument Barometer (mm HG) 754 Reference Barometer (mm HG) 754

Reference Barometer(RB)Serial # 009113 RB Calibration Due 4/16/2016

Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.296
0.300	0.298	0.289	0.306	Sample 2	0.296
Precision		sample min	sample max	Sample 3	0.295
0.001		0.295	0.296		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.097
0.100	0.099	0.096	0.102	Sample 2	0.097
Precision		sample min	sample max	Sample 3	0.097
0		0.097	0.097		

Dry gas standard Lot No. (with tank no.) AG419702-44

☐ Replaced dry gas standard (+O-ring)

☐ Installed at Location

☐ Removed to DFS-Central

Supplies
Mouthpieces
Certificates of Analysis
Operator Worksheet
Other:

50

Notes:

Instrument Serial Number

010635

Certification Date

6/16/2015

☐ Calibrated☒ Certified☒ Measurement Assurance Check☒ Instrument Test☐ Troubleshooting/Maintenance Worksheet Completed

(Successful completion denotes satisfactory condition of the item.)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.245
0.250	0.248	0.240	0.255	Sample 2	0.245
Precision		sample min	sample max	Sample 3	0.245
0		0.245	0.245		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.148
0.150	0.149	0.144	0.153	Sample 2	0.148
Precision		sample min	sample max	Sample 3	0.148
0		0.148	0.148		

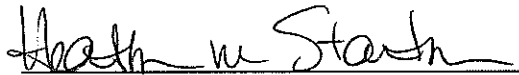
Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.077
0.080	0.079	0.076	0.082	Sample 2	0.077
Precision		sample min	sample max	Sample 3	0.077
0		0.077	0.077		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

All measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

DFS Technician



Date

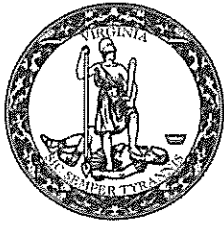
6/17/15

Issuing Analyst


TLW

Date

6/17/15




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

HMS
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NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2016	DATE TEST CONDUCTED 06/16/2015
TEST EQUIPMENT NUMBER 010635		

RESULTS: TIME SAMPLE TAKEN 10:50 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 17 Jun 2015 at 08:13

AMS
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Test Results

Instrument Serial Number 010635

Test # 000322 Subject Test

Test Location 1 Department of
Test Date 16 Jun 2015

Test Location 2 Forensic Science
Test Time 10:44
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name STANTON
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M

Card Serial Number 118910

License Number 18910

Effective Date 10/01/2014

Expiration Date 10/01/2016

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 16 Jun 2015 End Time 10:51

Result Time 10:50

Result Date 16 Jun 2015

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 10:44

Data Type BLK

Sample Value 0.000

Sample Time 10:45

Data Type CHK

Sample Value 0.099

Sample Time 10:46

Data Type BLK

Sample Value 0.000

Sample Time 10:47

Data Type SUBJ

Sample Value 0.000

Sample Time 10:48

Data Type BLK

Sample Value 0.000

Sample Time 10:49

Data Type SUBJ

Sample Value 0.000

Sample Time 10:50

Data Type BLK

Sample Value 0.000

Sample Time 10:51

Standard Type Dry Gas Std

Standard Value 0.099

Standard Lot Number AG419702-44

Standard Expiration Date 07/16/2016

Tank Pressure 1051

Barometric Pressure 754 mmHg

Blow Sample Number 1 Blow Duration 3.27 sec

Blow Volume 1781 cc End-of-Blow Time 10:48

Blow Sample Number 2 Blow Duration 3.32 sec

Blow Volume 1736 cc End-of-Blow Time 10:50

Tamper Evident Stamp 747f3d0d

Test Status Code 0

Test Status Success

Handwritten initials/signature in the top right corner.

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010635 Test Number: 323

Test Date: 06/16/2015 Test Time: 10:53 EDT

Dry Gas Target: 0.099

Lot Number: AG419702-44 Exp Date: 07/16/2016

Tank Pressure: 1041 psi Barometric Pressure: 754 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	10:53
CHK	0.099	10:54
BLK	0.000	10:56
CHK	0.098	10:57
BLK	0.000	10:58
CHK	0.098	10:59

Test Status: Success

Calibration CRC: F73C810A

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Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010635 Test Number: 324

Test Date: 06/16/2015 Test Time: 11:02 EDT

Dry Gas Target: 0.298

Lot Number: AG506501-08 Exp Date: 03/06/2017

Tank Pressure: 100 psi Barometric Pressure: 754 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	11:03
CHK	0.298	11:03
BLK	0.000	11:05
CHK	0.298	11:06
BLK	0.000	11:07
CHK	0.298	11:08

Test Status: Success

Calibration CRC: F73C810A

HMS
sd

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010635 Test Number: 325

Test Date: 06/16/2015 Test Time: 11:11 EDT

Technician Initials: HMS

Dry Gas Target: 0.248

Lot Number: 1611425014-02 Exp Date: 07/05/2016

Tank Pressure: 718 psi Barometric Pressure: 754 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:11
BLK	0.000	11:12
CHK	0.245	11:12
BLK	0.000	11:14
CHK	0.245	11:15
BLK	0.000	11:16
CHK	0.245	11:17
BLK	0.000	11:19

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

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Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010635 Test Number: 326

Test Date: 06/16/2015 Test Time: 11:21 EDT

Technician Initials: HMS

Dry Gas Target: 0.149

Lot Number: 1611415013-01 Exp Date: 07/05/2016

Tank Pressure: 115 psi Barometric Pressure: 754 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:21
BLK	0.000	11:22
CHK	0.148	11:23
BLK	0.000	11:24
CHK	0.148	11:25
BLK	0.000	11:27
CHK	0.148	11:27
BLK	0.000	11:29

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

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Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010635 Test Number: 327

Test Date: 06/16/2015 Test Time: 11:31 EDT

Technician Initials: HMS

Dry Gas Target: 0.079

Lot Number: 3441308012-03 Exp Date: 01/01/2016

Tank Pressure: 968 psi Barometric Pressure: 754 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:31
BLK	0.000	11:32
CHK	0.077	11:33
BLK	0.000	11:34
CHK	0.077	11:35
BLK	0.000	11:36
CHK	0.077	11:37
BLK	0.000	11:38

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

HMS
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Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010635 Test Number: 328

Test Date: 06/16/2015 Test Time: 11:40 EDT

Technician Initials: HMS

Dry Gas Target: 0.020

Lot Number: 1611402011-04 Exp Date: 07/05/2016

Tank Pressure: 698 psi Barometric Pressure: 754 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:40
BLK	0.000	11:41
CHK	0.019	11:42
BLK	0.000	11:43
CHK	0.019	11:44
BLK	0.000	11:45
CHK	0.019	11:46
BLK	0.000	11:47

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

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Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010635 Test Number: 329

Test Date: 06/16/2015 Test Time: 11:50 EDT

Dry Gas Target: 0.298

Lot Number: AG506501-08 Exp Date: 03/06/2017

Tank Pressure: 90 psi Barometric Pressure: 754 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	11:50
CHK	0.296	11:51
BLK	0.000	11:53
CHK	0.296	11:54
BLK	0.000	11:55
CHK	0.295	11:56

Test Status: Success

Calibration CRC: F73C810A

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Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010635 Test Number: 330

Test Date: 06/16/2015 Test Time: 11:58 EDT

Dry Gas Target: 0.099

Lot Number: AG419702-44 Exp Date: 07/16/2016

Tank Pressure: 1017 psi Barometric Pressure: 754 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:59
CHK	0.097	12:00
BLK	0.000	12:02
CHK	0.097	12:02
BLK	0.000	12:04
CHK	0.097	12:04

Test Status: *Success*

Calibration CRC: F73C810A




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

Handwritten initials/signature

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
---	-----------------------------

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2016	DATE TEST CONDUCTED 06/16/2015
TEST EQUIPMENT NUMBER 010635		

RESULTS: TIME SAMPLE TAKEN 12:12 EDT
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 16 Jun 2015 at 15:12

Sid
HMS

Test Results

Instrument Serial Number 010635

Test # 000331 Subject Test

Test Location 1 Department of
Test Date 16 Jun 2015

Test Location 2 Forensic Science
Test Time 12:06
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name STANTON
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M

Card Serial Number 118910

License Number 18910

Effective Date 10/01/2014

Expiration Date 10/01/2016

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 16 Jun 2015 End Time 12:13

Result Time 12:12

Result Date 16 Jun 2015 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 12:06

Data Type BLK

Sample Value 0.000

Sample Time 12:07

Data Type CHK

Sample Value 0.097

Sample Time 12:08

Data Type BLK

Sample Value 0.000

Sample Time 12:09

Data Type SUBJ

Sample Value 0.000

Sample Time 12:10

Data Type BLK

Sample Value 0.000

Sample Time 12:11

Data Type SUBJ

Sample Value 0.000

Sample Time 12:12

Data Type BLK

Sample Value 0.000

Sample Time 12:13

Standard Type Dry Gas Std

Standard Value 0.099

Standard Lot Number AG419702-44

Standard Expiration Date 07/16/2016

Tank Pressure 1007

Barometric Pressure 754 mmHg

Blow Sample Number 1 Blow Duration 3.38 sec

Blow Volume 1788 cc End-of-Blow Time 12:10

Blow Sample Number 2 Blow Duration 3.39 sec

Blow Volume 1760 cc End-of-Blow Time 12:12

Tamper Evident Stamp 40f0c30f

Test Status Code 0

Test Status Success